

ABSTRACT OF THE DISCLOSURE

An optical coupling device capable of reducing a production cost thereof and enhancing a utilization factor of light is provided. The optical coupling device includes: a light outgoing member, having an array of a plurality of light outgoing portions, for allowing light to go out of each of the light outgoing portions; a light incoming member having a plurality of light incoming portions arrayed so as to correspond to the light outgoing portions; and an optical lens array having a plurality of optical lens portions arrayed on a lens substrate so as to correspond to the light outgoing portions, wherein a light ray having gone out of each light outgoing portion is coupled to the corresponding light incoming portion by the optical lens array. As one example, the light outgoing member is a light emitting device array and the light incoming member is an array of optical fibers. As another example, the light outgoing member is an array of optical fibers and the light incoming member is a light receiving device array. As a further example, part of each of the light outgoing member and light incoming member is an array of optical fibers and the rest thereof is a light-emitting/light-receiving device array.